

IN THE SPECIFICATION:

On Page 4, last full paragraph, after the words "lower than 55%" please delete the phrase "(Matthews, 1968xxx)" and insert in its place -- (Matthews, B.W., J.Mol.Biol. 33, 491-497 (1968) --

On Page 4, in the footnote on the bottom of the page, after the words "in quantum mechanics" please delete the phrase "(Cohen-Tannoudji, et al. 1980)" and insert in its place -- Cohen-Tannoudji, C., Diu, B., Laloë, pp. 21-28 in Quantum Mechanics, Vol. I, John Wiley and Sons: New York (1977) --

On Page 5, line 1 please delete the phrase "(Wang, 197xxx)" and insert in its place -- Wang, B.C., Meth.Enzymology 115, 90-112 (1985) --

On Page 9, first full paragraph, after the words "Protein Database" please delete the phrase "(ref xxx)" and insert in its place -- (Abola, E.E., Bernstein, F.C. and Koetzle, T.F. (1988) in Computational Molecular Biology, Sources and Methods for Sequence Analysis (Lesk, A.M. ed.), pp. 69-81; and, H.M. Berman, J. Westbrook, Z. Feng, G. Gilliland, T.N.Bhat, H. Weissig, I.N. Shindyalov, P.E. Bourne: The Protein Data Bank. Nucleic Acids Research, 28 pp.235-242 (2000)) --

On Page 9, first full paragraph, after the words "deficiencies in this procedure. Shown in" please delete the phrase "Fig. XXX" and insert in its place -- Fig. 1 --

On Page 9, first full paragraph, after the words "coordinate of each of those" please delete the letters "xxxx"

On Page 10, first full paragraph, after the words "near the top 20" please delete the letters "(30%xxx)" and insert in its place -- (30%) --

On page 10, first full paragraph, after the words "the histogram of distances in" please delete the phrase "Fig. xx" and insert in its place -- Fig. 2 --

On Page 11, third full paragraph, after the words "basis functions are known" please delete the phrase "(Friedman, 1998; Crowther, 19xx; Dodson, 19xx)" and insert in its place -- (Friedman 1999; Crowther, R.A., 1972; Rossman, M.G., 1972; Dodson, E., 1985) --

On Page 11, third full paragraph, after the words "a robust recursion formula" please delete the phrase "(ref)" and insert in its place -- (Press, W.H, et al., (1988)) --

On Page 13, line 3, after the words in the parenthetical "assumptions compare Podjarny" please delete the phrase "et al., 199x" and insert in its place -- Podjarny, A.D., Urzhumtsev, A.G., Navaza, J. Trans.Amer.Cryst.Assoc. 30, 109-120 (1994); Dorset, D.L., McCourt, M.P., Z.Krystallographie 214, 652-658 (1999).

On Page 17, last line of numbered paragraph (1) after the words "are shown in" please delete the words "Fig. XXX" and insert in its place – Table II --

On Page 18, third line after the words "by the calculation]." please delete the words "Fig. XXX."

On Page 18, numbered paragraph (2) after the words "lower m index (See eg." please delete the words "table. XX" and insert in its place – Table I --

On Page 19, first full paragraph, after the words "style electron density maps" please delete the phrase "(R.Reed xxxx)" and insert in its place -- (Read, R.J. Acta Cryst. A42, 140-149 (1986); Read, R.J. Acta Cryst. A46, 140-149 (1990); Read, R.J. Acta Cryst. A46, 900-912 (1990))

On Page 19, first full paragraph, after the words "map using Sim weights" please delete the phrase "(ref to Sim xxx)" and insert in its place -- (Sim, G.A. Acta Cryst. 12, 813-815 (1959); Sim, G.A. Acta Cryst. 13, 511-512 (1960)).

On Page 20, lines 3 and 4, after the words "phasing the P41 form of" please delete the phrase "Staphalococcal Nuclease at 2.8 Å (xxxx unique)" and insert in its place the words – Staphylococcal Nuclease 2.8 Å (15118 unique --

On Page 20 lines 6 and 7, numbered paragraph (1) after the words "under determination" please delete the words "(xxxx data, xxx SHSB amplitudes, xxxxx SHSB signs, xxxx SHSB phases)" and insert in its place the words -- (15118 data (2.70 Å), model (2.70 Å with a contrived m cutoff), 3539 SHSB amplitudes, 427 SHSB signs, 3112 SHSB phases) --

On Page 20 lines 8 and 9, numbered paragraph (2) after the words "diffraction data" please delete the words "(xxxx data, xxx SHSB amplitudes, xxxxx SHSB signs, xxxx SHSB phases)" and insert in its place the words -- (15118 data (2.70 Å), model (2.70 Å with 14136 total parameters), 7068 SHSB amplitudes, 427 SHSB signs, 6636 SHSB phases) --

On Page 20 line 13, numbered paragraph (3) after the words "Å diffraction data" please insert the words -- The full Crowther equation data 2.70 Å diffraction data (15118 data (2.70Å); model (3.40Å): 7094 total parameters consisting of 3547 SHSB amplitudes, 269 SHSB signs, 3278 SHSB phases. --

REMARKS

Applicants respectfully request that the amendments above be entered prior to substantive examination of the utility application filed herewith. These amendments are made